

10/588213

AP20 Rec'd PCT/PTO 02 AUG 2006

THE FOLLOWING IS THE ENGLISH TRANSLATION OF THE
ANNEXES TO THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT UNDER ARTICLE 34:
Amended Sheets (pages 13, 14)

10/588213**AS ENCLOSED TO IPRP** **AP20 Rec'd PCT/PTO 02 AUG 2006****What is claimed is:**

- 5
1. A process for applying at least two chemically different flowable media, particularly aqueous solutions of polymers, dispersions or combinations thereof as adhesives and coating materials, or coatings, comprising the following steps:
- 10 a) applying at least two chemically different flowable media at least one medium being an aqueous polymer dispersion to web-form substrates continuously in one operation using a multiple cascade die (1),
- 15 b) the total amount of the multilayer application is between 2 g/m² to 200 g/m² and
- c) the ratio of the individual layers within the multilayer application to one another is between 0.1 to 100.
- 20 2. A process as claimed in claim 1, used to laminate composite films and high-gloss films or to render web-form substrates, particularly paper or film, adhesive.
3. A process as claimed in claim 1, used to coat web-form substrates such as paper, polymeric films or metallized surfaces, the layer facing the surface acting to improve the adhesion or as a barrier coat.
- 25 4. A process as claimed in claim 1, used to paint substrates to jointly apply thereto elastic and hard layers in one pass.
- 30 5. A process as claimed in claim 1, wherein two layers of cationic and anionic polymers are applied which on layering tend toward gelling or coagulation.
6. A process as claimed in claim 5, wherein the two layers are a combination of cationic polymer solutions with anionic dispersions.
- 35 7. A process as claimed in claim 1, using solutions of polyvalent metal salts or metal complexes with polymer dispersions.
- 40 8. A process as claimed in claim 1, wherein in one of the chemically different layers polyisocyanate, polyepoxides or polyacrydines are combined with another layer which comprises dispersions.

9. A process as claimed in claim 8, in relation to solutions of reactive products used as crosslinkers.
- 5 10. A process as claimed in claim 1, wherein chemically different dispersions are applied as individual layers in one operation such as styrene-butadiene dispersions, acrylate, ethylene, vinylacetate dispersions and polyurethane dispersions, wax emulsions or silicone emulsions as release coat (antistick layer).
- 10 11. A process as claimed in claim 10, wherein a first thin layer serves to improve wettability on the release coat.